

Green Features of the New Embassy Compound (NEC) in Oslo



Following are the eco-friendly features of the NEC to be constructed in Oslo, Norway:

Preservation of Green Space

-- To the extent possible, trees and open space will be preserved, particularly in the area behind the NEC facing the Huseby neighborhood and green space.

Global Warming

-- A vegetated roof for our parking garage will reduce storm runoff and heat reflection from the paved surfaces that would otherwise contribute toward global warming.

-- Our heating, ventilation, and air conditioning systems will all be free of chlorofluorocarbons, which are known to deplete the ozone layer and contribute to global warming.

Energy Consumption

-- Automated thermostats will reduce energy consumption by 67%. In addition, occupancy sensors will turn off systems in selected locations.

-- Use of the latest elevator technology will reduce energy consumption by 70% and eliminate the need for a hydraulic generator and the risk of environmental cleanup of hydraulic oil.

-- A free-air cooling module used in our communications center during the winter months will reduce energy consumption by 80%.

-- A solar water heater will reduce energy consumption by 67%.

-- Materials used to build the exterior will be procured locally and will provide additional insulation to reduce energy consumption.

-- The Embassy's thermal system will include humidity controls that lead to greater system efficiency.

Water Consumption

-- Dehumidifying the outside air will collect condensed water; this together with the use of waterless urinals will reduce water consumption.

-- Pulsed-power water treatment and water-efficient fixtures will ensure more efficient use of water, saving an estimated 265,000 liters annually.

Indoor Air Quality

-- High-quality filters will prevent hazardous chemicals from contaminating the quality of the Embassy's indoor air; in addition, indoor smoking will be prohibited.